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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Rui Mei, et al.

Examiner: Galitsky, Nikolaim

Serial No: 09/718,295

Group Art Unit: 1631

Filing Date: November 21, 2000

Title: **Methods and Computer  
Software Products for Selecting  
Nucleic Acid Probes**



Commissioner for Patents  
Washington, D.C. 20231

TECH CENTER 1600-2900

MAY 21 2002

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RESPONSE TO OFFICE ACTION

Sir:

In response to the Office Action dated April 29, 2002, Applicants submit herewith twenty-eight sheets of substitute drawings.

Applicants have submitted a response to Restriction Requirement via facsimile on May 14, 2002. A copy of the response to the Restriction Requirement is attached herewith. Applicants reiterate the election of Group I. Applicants further elect Specie A: selection of probes via only predicting quantitative response and hybridization intensities to a target. (Claims 1-13; claims 1-3, and 8-11, do not recite predicting mismatch hybridization).

Applicants reserve the right to re-present non-elected claims in a divisional or other related application.

The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account 01-0431.

I hereby certify that this correspondence is being deposited by Express Mail to: Commissioner For Patents, Washington, D.C. 20231.	
On	<u>MAY 14 2002</u>
Express Mail No.:	<u>EL 675 507 398 US</u>
AFFYMETRIX, INC.	
By:	<u>[Signature]</u>

Respectfully submitted,

[Signature]

Wei Zhou  
Reg. No.: 44,419

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